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NOTICE OF ALLOWANCE AND FEE(S) DUE

40854

7590

09/22/2010

RANKIN, HILL & CLARK LLP 38210 GLENN AVENUE WILLOUGHBY, OH 44094-7808 EXAMINER

DANEGA, RENEE A

ART UNIT

PAPER NUMBER

3736 DATE MAILED: 09/22/2010

APPLICATION NO.	ON NO. FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/564.073	01/10/2006	Masakazu Kawai	SAT-16451	6001	

TITLE OF INVENTION: METHOD OF ESTIMATING JOINT MOMENT OF BIPEDAL WALKING BODY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/22/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

indicated unless correct maintenance fee notifica	ted below or directed ot	herwise in Block 1, by ((a) specifying a new co	orres	pondence address;	and/o	r (b) indicating a sep	arate '	'FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 40854 7590 09/22/2010				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
40854 RANKIN, HII 38210 GLENN WILLOUGHBY		Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.							
									(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE	;	FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CO	NFIRMATION NO.
10/564,073 TITLE OF INVENTION	01/10/2006 N: METHOD OF ESTIM	ATING JOINT MOMEN	Masakazu Kawai T OF BIPEDAL WAL		G BODY		SAT-16451		6001
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	Т	DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810		12/22/2010
EXAM	MINER	ART UNIT	CLASS-SUBCLASS	\neg					
DANEGA	, RENEE A	3736	700-245000		J				
"Fee Address" inc PTO/SB/47; Rev 03-(Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un	AND RESIDENCE DAT lless an assignee is iden th in 37 CFR 3.11. Com	s" Indication form	data will appear on th	nativesingles or a store attored be performed by the performance of th	ely, e firm (having as a gent) and the nam neys or agents. If printed. e) ttent. If an assign assignment.	membes of uno nam	p to get is 3dentified below, the d	ocum	ent has been filed for
4a. The following fee(s) Issue Fee Publication Fee (1)		permitted)	b. Payment of Fee(s): (A check is enclos Payment by credi	Pleas ed. t card	se first reapply and	y prev	viously paid issue fee	show	n above)
NOTE: The Issue Fee an	ns SMALL ENTITY stated and Publication Fee (if rec	us. See 37 CFR 1.27.	b. Applicant is no	long	ger claiming SMAl	LL EN	ГІТҮ status. See 37 С	FR 1.2	27(g)(2).
interest as shown by the	records of the United Sta	ates Patent and Trademarl	k Office.						
Authorized Signature	;				Date				
Typed or printed name			Registration No						
This collection of inform an application. Confider submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 22:	ntiality is governed by 35 and application form to the cions for reducing this bu Virginia 22313-1450. DO	CFR 1.311. The informati 5 U.S.C. 122 and 37 CFR e USPTO. Time will vary urden, should be sent to the O NOT SEND FEES OR	on is required to obtain 1.14. This collection i y depending upon the i he Chief Information O COMPLETED FORM	or res s esti ndivi ffice S TC	etain a benefit by t mated to take 12 i idual case. Any co r, U.S. Patent and THIS ADDRESS	he pub minutes omment Traden S. SENI	lic which is to file (an s to complete, including ts on the amount of timark Office, U.S. Dep D TO: Commissioner	d by the gath me you art men for Pa	ne USPTO to process) hering, preparing, and u require to complete nt of Commerce, P.O. ttents, P.O. Box 1450,

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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10/564,073	01/10/2006	Masakazu Kawai	SAT-16451	6001		
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RANKIN, HILL	& CLARK LLP	DANEGA, RENEE A				
38210 GLENN AVENUE			ART UNIT	PAPER NUMBER		
WILLOUGHBY, ()H 44094-7808	3736				
		DATE MAILED: 09/22/2010				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 621 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 621 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/564,073	KAWAI ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Renee Danega	3736	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet w (OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	rith the correspondence address- in this application. If not included nunication will be mailed in due cour	se. THIS
1. \square This communication is responsive to $9/3/10$.			
2. ☑ The allowed claim(s) is/are <u>1-7</u> .			
3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 5. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in tile. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT in the such as the summer of the summer	e been received. been received in Applicate cuments have been received of this communication to fill the text of this application. itted. Note the attached Exes reason(s) why the oath of the submitted. son's Patent Drawing Reviews Amendment / Comment of the text of BIOLOGICAL MATERIAL CONTRACT.	ion No ed in this national stage application to the a reply complying with the require (AMINER'S AMENDMENT or NOTION declaration is deficient. ew (PTO-948) attached or in the Office action of the drawings in the front (not the backer 1.121(d).	ments CE OF
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview S Paper No 7. ☐ Examiner's 8. ☑ Examiner's 9. ☐ Other /Max Hinden!	<u> </u>	ce

DETAILED ACTION

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance: Claims 1-7 are allowable. The prior art of record broadly discloses methods of estimating joint movement. These methods utilize reaction forces to calculate moments at ankle, hip, and knee joints. However none of the prior art on record explicitly teaches setting a posture leg coordinate system to the leg plane, changing it with respect to a body coordinate system set to the walking body, and measuring hip displacement amounts about three axes using acceleration wherein the plane passes through the leg at the three joints. Therefore, the above limitations as incorporated into independent claim 1, define patentability over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Renee Danega whose telephone number is (571)270-3639. The examiner can normally be reached on Monday through Thursday 8:30-5:00 eastern time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Max Hindenburg can be reached on (571) 272-4726. The fax phone

Application/Control Number: 10/564,073 Page 3

Art Unit: 3736

number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

RAD

/Max Hindenburg/ Supervisory Patent Examiner, Art Unit 3736